

AMENDMENTS TO CLAIMS

This listing of claims replaces all prior versions, and listings, of claims in the application:

Listing of Claims:

1.-14. (canceled)

15. (new) Intervertebral disk implant, comprising a base plate, a cover plate and an intervertebral disk, wherein the intervertebral disk is seated on the base plate in such a way that translational and rotational movements are possible and said cover plate is seated on the intervertebral disk in such a way that the articulating surface of the intervertebral disk as well as the articulating surface of the cover plate are each located on a respective spherical partial surface with the same radii.

16. (new) Intervertebral disk implant according to claim 15, wherein the intervertebral disk consists of polyethylene or titanium or a titanium alloy.

17. (new) Intervertebral disk implant according to claim 15, wherein the base plate and/or the cover plate can be implanted into the bone or fixed to the bone without cement.

18. (new) Intervertebral disk implant according to claim 16, wherein the base plate and/or the cover plate can be implanted into the bone or fixed to the bone without cement.

19. (new) Intervertebral disk implant according to claim 15, wherein the base plate and/or the cover plate consist of titanium or a titanium alloy.

20. (new) Intervertebral disk implant according to claim 16, wherein the base plate and/or the cover plate consist of titanium or a titanium alloy.

21. (new) Intervertebral disk implant according to claim 17, wherein the base plate and/or the cover plate consist of titanium or a titanium alloy.

22. (new) Intervertebral disk implant according to claim 15, wherein the base plate and/or the cover plate and/or the intervertebral disk of titanium or titanium alloy is coated with a ceramic coating.

23. (new) Intervertebral disk implant according to claim 16, wherein the base plate and/or the cover plate and/or the intervertebral disk of titanium or titanium alloy is coated with a ceramic coating.

24. (new) Intervertebral disk implant according to claim 17, wherein the base plate and/or the cover plate and/or the intervertebral disk of titanium or titanium alloy is coated with a ceramic coating.

25. (new) Intervertebral disk implant according to claim 19, wherein the base plate and/or the cover plate and/or the intervertebral disk of titanium or titanium alloy is coated with a ceramic coating.

26. (new) Intervertebral disk implant according to claim 22, wherein the ceramic coating is titanium-niobium-nitride (Ti-Nb-N).

27. (new) Intervertebral disk implant according to claim 23, wherein the ceramic coating is titanium-niobium-nitride (Ti-Nb-N).

28. (new) Intervertebral disk implant according to claim 24, wherein the ceramic coating is titanium-niobium-nitride (Ti-Nb-N).

29. (new) Use of the intervertebral disk implant according to claim 15 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as Bechterew's disease.

30. (new) Use of the intervertebral disk implant according to claim 16 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as Bechterew's disease.

31. (new) Use of the intervertebral disk implant according to claim 17 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as Bechterew's disease.

32. (new) Use of the intervertebral disk implant according to claim 19 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as Bechterew's disease.

33. (new) Use of the intervertebral disk implant according to claim 22 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as Bechterew's disease.

34. (new) Use of the intervertebral disk implant according to claim 26 for treatment of scoliosis, herniation of intervertebral disk, kyphosis, ruptured disk, black disc, spontaneous deformation, lumbago, deforming spondylosis, age-related hunchback (Witwenbuckel), spondylomyelitis, osteochondrosis, osteofibrosis, spina bifida, lordosis, spondylotosis, clay shoveller's fracture, myelomeningocele, brachialgia, Baastrup's syndrome, vertebral ankylosis, Scheuermann's disease, cervical syndrome, lumbar kyphosis, torticollis, as well as Bechterew's disease.